

## INTERNATIONAL SEARCH REPORT

 International application No.  
PCT/KR2004/002700

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H01F 3/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H01F 3/00, H01F 3/04, H01F 3/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, Y	JP 04-165607 A (DAIHEN CORP) 11 JUNE 1992	1 - 4
Y	KR 1999-0201602 B (CHANGSUNG CO.,LTD) 15 MARCH 1999	1 - 4
Y	KR 1999-0201603 B (CHANGSUNG CO.,LTD) 25 MARCH 1999	1 - 4
Y	KR 2001-0305328 B (CHANGSUNG CO.,LTD) 27 JULY 2001	1 - 4
Y	KR 2002-0342212 B (CHANGSUNG CO.,LTD) 15 JUNE 2002	1 - 4
Y	KR 2003-0396045 B (CHANGSUNG CO.,LTD) 14 AUGUST 2003	1 - 4
Y	KR 2003-0028989 A (CHANGSUNG CO.,LTD) 11 APRIL 2003	1 - 4
A	JP 59-178716 A (TOSHIBA CORP) 11 OCTOBER 1984	1 - 4
A	JP 61-071612 A (TOSHIBA CORP) 12 APRIL 1986 FIG.3	1 - 4
A	JP 11-8111 A (TDK CORP) 12 JANUARY 1999 FIG.4	1 - 4

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

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Name and mailing address of the ISA/KR

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